Chile

CAZON EDZI 70C33







FOREIGN MARKET DEVELOPMENT SECTION

RESEARCH BRANCH

TRADE AND INDUSTRY DIVISION

ONTARIO DEPARTMENT OF TRADE AND DEVELOPMENT

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Ontario. Trade and development dept.

FOREIGN MARKET STUDY

CHILE

Prepared by:

Foreign Market Development Section Research Branch Trade and Industry Division 950 Yonge Street Toronto, Ontario

JVL September, 1970



## FOREWORD

Export marketing research is a subject of considerable interest to our Department, to Ontario manufacturers and to businessmen who may be interested in exports. The Foreign Market Studies which are undertaken by our Section, are written for the use of our Trade and Industry Division, and specifically by our Marketing Branch and Trade Mission members. These studies depict the economic background of the countries that will be visited. For this reason our Foreign Market Studies are, in the first instance, working documents designed for the use of the Department and cannot be taken in their entirety as expressing the opinion or position of the Department of Trade and Development.

Equivalents of metric, Imperial and U.S. units of measure

Metric Units	Imperial Equiv	rial and U.S. quivalents	Imperial and U.S. Units	Metric	C duto
Length - 1 centimetre (cm)	394	inch		2.540	S S
1 metre (m)		teet yard	1 foot	30.480	E C
l kilometre (km) $\left\{\right.$	621 539	mile int. naut. mile	rnational nautical mile	0 0	1 6 8
c					
1 square centimetre - $cm^2$	0.155 sc 10.764 sc			.451	cm2 dn2
1 hectare - ha		square yard acres square mile	l square yard  1 acre  1 square mile	36	m <sup>2</sup> ha km <sup>2</sup>
Volume -					
cubic centimetre - cm3	0.061 .	cubic inch	1 cubic fact	.387	сш3
1 cubic metre - m3	1.308		cubic	0.765	43 13
Capacity -					
l litre (L) $\left\{\right.$		Imp. quart U.S. liq. quart	1 Imperial British quart1 U.S. liquid quart	10.10	٠, ٠,
( 2	0.908		U.S. dry quart		1
1 hectolitre (HL) $\left\{\begin{array}{c}20\\0\end{array}\right\}$	6.417		1 U.S. gallon	3.785 1	4 11 11
	2.838 U.	S. bushels	U.S. bushel	5.239	1.1
Weight or Mass -					
l kilogramme (kg)	2.151 tro	ounce y ounc	av. ouncetroy ounce		00 00
	2.205 av.	spunod •	av. poundcenterweight (100 1b.)		00
1 ton	1.102 sh 0.984 lo	short tons long tons	(112 lb.)	50.802 k	۲ لا لا الا الا الا الا الا الا الا الا
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## TABLE OF CONTENTS

	Page No.
MAP OF CHILE	1
MARKET INDICATORS	2
INTRODUCTION	3
GENERAL INFORMATION  1. Geography and Climate  2. Human Resources  3. Constitution and Government	4 4 5 6
STRUCTURE OF THE ECONOMY  1. General 2. Agriculture, Fishery and Forestry 3. Industry 4. Mining 5. Finance a. The Monetary System b. Banking and Insurance c. Investment 6. Public Utilities a. Energy b. Transportation and Communications 7. Tourism	7 7 8 10 13 14 15 15 16 16 16 18
FOREIGN TRADE  1. Structure of Foreign Trade  2. Analysis of Chile's Imports  3. Analysis of Chile's Exports	19 19 21 21
CANADIAN TRADE WITH CHILE  1. General 2. Ontario Exports	22 22 23
CHILE'S ECONOMIC AND TRADE POLICY  1. Planning 2. Foreign Trade Regulations - Tariffs and Taxes 3. Marketing 4 & 5. Promoting the Product, Agency Agre 6. Licensing a. Patent and Trademark Protection b. Legal and Administrative Limitation	25 25
BIBLIOGRAPHY	27

## TABLE OF CONTENTS

## Statistical Data

		Page
1.	Canadian Exports to Chile by Commodities 1968 - 1969	28
2.	Ontario Exports to Chile by Commodities 1968 - 1969	32
3.	Canadian Imports from Chile by Commodities 1968 - 1969	34
1.	Imports of Chile by Countries 1967	35



## CHILE





#### MARKET INDICATORS

		Chile	Canada
1.	Population (1969)	9.8 million	21.1 million
2.	G.N.P. (1969) Total Per Capita	\$6.5 billion \$545	\$78 billion \$3,700
3.	Passenger cars in use (1969) Telephones in use (1968) T.V. sets in use (1968)	.1 million .3 million .2 million	6.2 million 8.4 million 7.3 million
4.	Steel Production (1969) Cement Production (1969)	.7 million tons 1.3 million tons	10 million tons 7.4 million tons
	Electricity Production (1969) Motor Vehicle Production	6.8 billion kwh	190 billion kwh
	(1969)	.04 million	1.3 million
5.	Total exports Total imports	\$1.0 billion \$0.8 billion	\$15.0 billion \$14.2 billion
6.	International liquidity (1969)	\$0.3 billion	\$3.3 billion

7. Currency and Exchange Rate

The currency unit is the escudo of 100 centesimos and 1,000 pesos. There have been frequent devaluations in recent years; in August 1969 the escudo was devalued from 9.37 to the U.S.\$ to an official 9.51.

Coins: 2, 5, 10 centesimos. Notes: 50, 100 pesos;  $\frac{1}{2}$ , 1, 5, 10, 50, 100 escudo

Note: All values are in Canadian Dollars unless otherwise indicated.



#### INTRODUCTION

Although agriculture remains the principal economic activity, and manufacturing contributes the largest share of Gross National Product, the prosperity of the Chilean economy is closely related to the mining industry. The economy has not fully recovered from the recent drought that affected nearly every sector.

The 1969-70 crop year appears good. There are positive indications of increased industrial production for the latter half of 1969 and the outlook is favourable for 1970. There has been relative tranquility on the labor front during 1969, with less strike activity than in past years.

1970 should be a good year for Chile's foreign trade. Exports should rise 6 to 7 per cent to \$1.1 billion.

The outlook for Chilean imports in 1970 is for an increase to an estimated range of \$825-850 million from the level of \$743 million registered in 1968.

The principal factor contributing to the overall rise in imports is continuing favourable prices for Chile's principal export, copper. This should enable Chile to move ahead with plans to liberalize additional goods for importation. Furthermore, total economic growth is expected to accelerate as new copper production reaches the market sometime in 1970, industrial production recovers, and agricultural output rises following the severe 1968-69 drought.

The gross national product grew by about 3% in 1968. G.N.P. growth in 1970 should be somewhat higher, possibly at a rate of 5-6%.

Copper production should show good gains as greater output occurs under the ongoing copper expansion programs and as world demand continues strong.

On January 6 1970 the Ministers of Economics and Finance announced a new import liberalization policy which is to: 1) end import prohibitions, with some exceptions;

2) gradually reduce tariffs over a five-year period; and 3) reduce and eventually eliminate prior import deposits. Of equal importance to the Canadian exporter is the forecast rise in consumer purchasing power.

This development will lead to greater demand for consumer goods which, coupled with Chile's recent relaxation of trade controls, should offer Canadian exporters a greater opportunity in this field.



#### GENERAL INFORMATION

## 1. Geography and Climate

Chile is a long and narrow country, extending along the Pacific coast some 2,630 miles, and its width ranges from nine to 220 miles. It is bounded on the West by the Pacific, on the East by Bolivia and Argentina, and on the North by Peru. The Andes Cordilleras divide Chile from Bolivia and Argentina, and its most southern tip is Cape Horn.

Many islands belong to Chile including Easter Island, the Juan Fernandez group, San Felix, San Ambrosio and others.

On the basis of geographic and economic characteristics, Chile may be divided into four main zones.

- 1. Desert and semi-desert, from Peru southward about 1,000 miles. Here are located large nitrate deposits and copper mines.
- 2. Middle Chile which forms Chile's heartland. It stretches from Illapel to Concepcion. Here are located the most important Chiliean cities; Santiago, Chile's capital, Valparaiso and Concepcion.
- 3. Forest Chile from Concepcion to Puerto Montt. This zone embraces rich forests and lakelands.
- 4. Southern Chile. This is a cold, rainy region from Puerto Montt to Cape Horn.

The chief towns in Chile are Santiago (capital) 2,551,150, Valparaiso 291,144, Concepcion 194,021, Vina del Mar 151,206, Antofagasta 135,216, Talcahuano 113,818, Temuco 102,659, Talca 87,450, Valdivia 81,539, Chillan 84,058, Osorno 77,032, Punta Arenas 63,797, and Rancagua 68,646.

Both the mountains and the cold Humboldt Current influence the climate. Average temperatures range from 53°F in winter to 63°F in summer: annual rainfall ranges from 0.04 inches in the northern desert to 105 inches in the south.



#### 2. Human Resources

Chile had nearly ten million inhabitants in 1969. The average annual growth rate of the population is about 2.5 per cent a year. If this rate is maintained it would mean a population of 12.9 million in 1980. The average density is thirty-one inhabitants per square mile.

One of the most important demographic developments in Chile in the last two decades has been the increasing volume of rural to urban migration. The increasing volume of rural-urban migration also resulted in social problems. The bulk of urban growth has taken place in larger cities, especially Santiago. Some 30% of urban inhabitants live in slum housing areas.

The economically active population, fourteen years of age and older, based on census of 1960, was as follows: 31.6% in agriculture; 24.2% in manufacturing and construction, 4.7% in mining, and the rest in services. However, the employed population figures are as follows:

# EMPLOYMENT (December 1969)

Agriculture Mining and Quarrying Manufacturing Building Trade Transport, Public Works Government, Finance Personal Service Other Services Unspecified	5,500 3,200 264,000 41,900 153,300 66,700 91,900 164,900 181,000 500
	972,500

Source: The Europa Year Book, 1970.

As in most Latin American countries, it is a young population; more than two+thirds of the Chileans are under 40 and one-half under 21. It is also one of the most educated populations in Latin America - about 80 percent of those above 14 are literate.



#### 3. Constitution and Government

Executive power is vested in the president, who is also commander in chief of the armed forces. The president is elected by direct popular vote for a six-year term. The President's power, although extensive, is restricted by Congress. Presidential veto may be overridden by a two-thirds majority vote of the members of Congress.

The legislative organ is the National Congress, consisting of a Senate and Chamber of Deputies. There is universal voting for literate adults of twenty-one years of age and over.

Chile began the decade of the seventies with a Presidential election. The economic consequences of the election are far-reaching, affecting such vital issues as nationalization, budget philosophy, inflation and import substitution. But, whatever the changes that may come as a result of the presidential election, we feel that Canadian businessmen may plan with reasonable assurance on continuing opportunities for development of trade with Chile.



#### STRUCTURE OF THE ECONOMY

#### 1. General

Geographically an elongated country, Chile has rich soil, abundant forests, enormous copper and other mineral resources, and an ample supply of water for hydro-electric power. The steady expansion of mining and industrial production and a substantial recent increase in copper sales, have largely contributed to the rapid growth of the Chilean economy during the past ten years.

Since the late 1930's, Chile has made attempts to diversify its economy and expand its infrastructure, but it continues to be faced with two basic and recurring problems - the stagnation of agriculture and a history of inflation spanning almost 100 years.

The Chilean economy expanded rapidly during 1961 - 1966, when real gross domestic product rose at an annual rate of 5.1 percent. However, economic growth slackened considerably beginning in 1967, when the domestic product rose only 2.3 percent and lagged slightly behind population growth. The sizable reduction in the rate of economic expansion after 1966 resulted mainly from the slow growth in agricultural production, slugging performance in the industrial sector and a reduction in construction activities.

The Government's 1970 budget will total about \$2 billion, or 30 to 35 percent of the G.N.P. - making the budget a highly influential economic factor in Chile.

Chile faces 1970 with a considerable increase in expenditures over last year. There are two main reasons for the increase. First, the Government recently decreed that all government salaries and wages would be raised, effective January 1, 1970, to the full extent of the 1969 inflation, 29.3 percent. Second, salaries of the armed forces were recently increased and the back pay alone is worth \$50 million.

All this leads one to expect a continuation of the recent inflation levels and 30 percent inflation this year looks probable - a rate Chileans do not welcome but have learned to live with.



### 2. Agriculture, Fishery and Forestry

#### a. Agriculture

Agriculture production in Chile is not keeping pace with the increase in population, and the sluggish expansion of the agricultural sector continues to be a serious obstacle to steady development of the Chilean economy.

Stagnation of Chilean agricultural production has limited the growth of the economy as a whole and has produced sharp imbalances in economic development and serious repercussions on Chile's balance of payments. The value of agricultural commodity imports virtually doubled, from U.S.\$99 million in 1960 to about U.S.\$188 million in 1969. More than two-thirds of these imports could be produced domestically, and substantial exports of various items were made in the past.

The Minister of Agriculture, Sr. Hugo Trivelli, recently stated that agricultural production had increased at an annual rate of 4.6 percent since 1965, despite the effects of the prolonged drought over the past few years; average agricultural prices, at constant values, had risen by 18 percent between 1964 and 1969.

Total foodstuff production in 1967 was \$13,159,000 of which \$11,240,000 was exported.

The principal crops by area sown and production from 1963-64 to 1968-69 were as follows:

C		AREA SOWN ('000 hectares)				PRODUCTION ('000 metric tons)				
COMMODITY		1963-64	1964-65	1967-68	1968-69	1963-64	1964-65	1965-66	1967–68	1968-6
Wheat Barley		852 72	734 38	700 72	743 44	1,319	1,124 77	1,167	1,220 157	1,21.1
Date		109	70	109	81	132	82	123	163	95
Rye	٠	14	7	7	8	15	9	15	8	10
Maize		75	87	89	58	206	264	246	321	154
Beans (Dry) .		89	59	n.a.	47	95	60	93	n.a.	47
Peas (Dry) .		13	7	17	II	8	6	8	12	7
entils		34	24	7	14	21	9	II	4	8
Chickpeas .		II	8	16	9	6	5	7	8	3
Potatoes		80	91	80	76	763	702	705	725	602
Rice	٠	33	27	32	16	86	80	71	93	37
Sunflower Seed		42	31	29	25	45	50	54	43	28
ugar Beet .		19	18	30	28	614	682	799	1,143	1,066
Rape Seed .		48	56	37	48	56	77	71	48	0.4

Source: The Europa Year Book, 1970.



Chile's 1968-69 drought has been all but broken. With the exception of provinces north of the Aconcagua Valley, "El Norte Chico", the outlook for most crops for the 1969-70 season is good. Even though rainfall throughtout the central provinces has been less than normal, it has been adequate for early crops and well distributed into the spring months. Moreover, snowfall in the mountains has been sufficient to provide irrigation water for next summer crops.

The livestock population, 1964-1965 (in '000s) was as follows:

	1964	1965
Cattle	3;063	2,870
Pigs	1,007	1,022
Sheep	6,452	6,690
Horses	544	478

Source: The Europa Year Book, 1970.

Poultry in Chile is also improving. Canada exported to Chile baby chicken as well as poultry-processing equipment.

Productivity in Chilean agriculture is low. Despite the fact that agriculture employs over 25% of the economically active population, the agriculture output represents only 10% of the G.D.P.

In the early part of 1970, President Frei introduced a radical agrarian reform law to improve production, increase the number of landowners, and ameliorate the standard of living of agricultural workers. CORA, the Corporation for Agricultural Reform, has already installed thousands of families, forming a large number of settlements for collective farming.

## b. Fishery

Fishing is an important part of the Chilean economy. With a coastline of about 2,500 miles, the fishing industry promises to become a sound contributor to the country's development.

The most important fish catch is the anchovy, the principal source of fish meal. The total anchoveta catch for 1969 was 671,100 tons, compared with 979,900 tons in 1968 and 719,600 tons in 1967. Total production of fish meal in 1969 was 180,130 tons, against 234,835 tons in 1968 and 163,369 tons in 1967.



The total fish catch for the first nine months of 1969 amounted to 0.79 million tons, compared with 0.66 million and 1.04 million in the corresponding periods of 1967 and 1968.

#### c. Forestry

Chile's immense forest reserves, although largely underdeveloped, represent great economic potential. According to the Forestry Institute (census 1966) there were 277,944 hectares of artificial forests, the most important species being the pine (pinus radiata) which covers 260,685 hectares. Eucalyptus covers 12,943 hectares, poplars 956 hectares. The volume of all species reaches 62 million cubic metres, of which 60 million correspond to pine.

There were also 32,550 square km. of native forest, divided into the following species: Araucaria, Coigue, Valdiviano, Roble-Rauli, Chilote, Lenga, Alerce and Cipres.

Chile is a natural for forest products. The abundant rainfall, proximity to the coast, and the presence of rapid-growth insignis pine all point to a low-cost industry. Sawn lumber and pulp and paper production should double by 1980.

The Corporacion Agricola de Exportaciones Forestales has announced that exports of sawn timber were valued at U.S.\$7.1 million in 1969, compared with U.S.\$3.6 million in 1968.

The Chilean Government, and the FAO are carrying out a tenyear reafforestation programme in central Chile, and are planting trees in desert areas in the north. The IDB is to grant a loan of US\$25 million for the programme; the Instituto Corfo del Norte (Inconor) plans to invest 33 million escudos in the Departments of Iquique and Pisagua, including 7 million escudos for the development of the Pampa del Tamarugal.

## 3. Industry

Industry in Chile is mainly concentrated in the provinces of Santiago, Valparaiso and Concepcion. It consists principally of food, beverage and tobacco processing, textile, steel, petroleum, wood and chemical production. The aim of Chilean industrial policy is to improve and implement industries which will help to increase exports and substitute imports.



The production data of selected industries in Chile, 1965-67, were as follows:

		1965	1966	1967
Sugar Caper and Cardboard Cement Liquid Cast Iron Steel Ingots Beer Petrol Paraffin Diesel Oil Tyres Cigars Cigarettes Matches Glass Sheets	ooo tons  million litres  ooo units  million units  ooo boxes  ooo sq. metres	229 130 1,188 309 441 165 1,005 297 481 584 506 1,622 6,665 248 2,648	266 139 1,364 433 540 177 1,145 319 561 897 555 1,729 7,213 262 2,404	309 147 1,235 498 596 176 1,308 363 631 1,099 505 1,449 7,150 234 1,770

Source: The Europa Year Book, 1970.

Chile's industrial sector has had a relatively low rate of growth in the past two years. According to national accounts data, growth of the industrial sector (as measured by value added to Gross Domestic Product) was 2.8 percent in 1967 and 2.0 percent in 1968. These rates of growth were much below the 6.4 percent increase in 1965 and 8.6 percent growth of 1966. Since in terms of the total economy of Chile industry accounts for 27.1 percent of Gross Domestic Product, industrial production plays a relatively greater role than is the case of many other Latin American countries.

CORFO, the state-owned development agency, is a major industrial investor, both in joint ventures and in certain wholly owned enterprises. Its net worth has reached around \$1 billion, and it is involved in over 100 companies covering a wide spectrum of activities.

## Steel Industry

The publicly-owned steel company, CAP (Compania de Acero del Pacifico) started by the Chilean Development Corporation in 1946, produces today enough steel to meet domestic demand and still has an exportable surplus. Production of rolled steel last year amounted to 632,478 tons, compared with 560,133 tons in 1968. Steel ingot production is scheduled for at least one million tons a year by 1971.

## Automotive Industry

Automotive vehicle production should accelerate in view of new assembly facilities being set up by Ford, General Motors, Fiat and Peugeot-Renault. Citroen Chilena is to expand assembly facilities at its plant in Arica over three years from 3,360 to 6,500 units annually, at an estimated cost of U.S.\$4.6 million.



The regulation requiring the use of locally produced components for at least 58 percent of the value of motor vehicles manufactured in Chile will remain in force up to the end of 1970, after which the proportion will be raised to 70 percent. The existing customs exemptions for imported components have been extended for two years.

#### Chemical and Petrochemical Industry

Expansion of the chemical industry in Chile is slower than in some of the other Latin American countries, despite the natural resources which exist for development. In recent years the Chilean Government has taken various measures to increase production of its chemical industry.

The difficulties of the nitrate industry in Chile, influenced the government to embark upon a new policy of encouraging the reorientation of the nitrate industry based on the development of a heavy chemical industry in Chile.

Despite limited petroleum production, Petroquimica Chilena, Ltda, has initiated a program to build ethylene, ammonia, aromatics and aceteldehyde facilities for production of plastics, fertilizers, synthetic textiles, paints and adhesives. These industries have been stressed because they must absorb the output of a large petrochemical complex in Concepcion, which the government, in cooperation with the private sector, expects to have in operation by 1972.

The Enap is building a plant to produce propane and butane and other hydrocarbons at Posesion, 200 km. north-west of Punta Arenas, at a total cost of about U.S.\$10 million and 60 million escudos. Its annual output capacity will be 220,000 tons.

Production of crude petroleum in 1969 was 2.1 million cubic metres, and of gas, 7.5 million cubic metres.

## Pulp and Paper Industry

With the help of the Inter-American Development Bank, the existing Compania Manufacturer de Papeles y Cartones has developed into the largest Latin American company in this field. The Chilean forest industry produces \$150 million gross annually (1968), with pulp and paper accounting for two-thirds and sawn lumber about one-quarter of the total value.

## Fish-Meal Industry

The Fish-meal industry is one of the fastest growing industries in Chile. In a relatively short time the number of fish meal factories have doubled. The fish-meal plants are concentrated in the port of Iquique, which is the principal fishing zone for the anchovy.



However, production of fish oil and fish-meal in the 1969 period was at 324 and 7,119 tons respectively, which showed declines from the respective totals of 394 and 9,430 tons reached during the period January - September 1968.

#### 4. Mining

Chile is well endowed with mineral resources and the wealth of the country consists chiefly in its minerals. Mining, and copper in particular, plays a vital role in the Chilean economy, since copper exports accounted for nearly 70 percent of all exports of goods during the last six years and is one of Chile's major sources of tax revenue.

The selected statistical data on copper production and utilization in Chile (1965 - 1968) were as follows:

# COPPER PRODUCTION (metric tons)

,			Big	Mining	Compa	nies	Medium & Small Mining Cos.			
Түрв			1965	1966	1967	1968	1965	1966	1967	1968
Floring to the refund . Plaster		•	190,987 77,430 210,797	244,663 74,112 218,703	224,852 70,157 241,920	232,210 56,673 230,966	20,390 57,898	14,015 24,022 70,287	21,763 72,376	26,508 81,095
TOTAL	٠		479,214	537,478	536,929	519,849	78,288	108,324	94,139	107,603

# Combined Production (metric tons)

Түре	1965	1966	1967	1968
Refined copper	500,524 89,515	561,500 99,803	558,695 104,783	546,357 120,307
TOTAL	590,039	661,303	663,478	666,664

Source: The Europa Year Book. 1970.

In 1969 total copper production by the large mines was 544,094 tons, compared with 519,570 tons the previous year and 536,410 tons in 1967.

In a recent speech outgoing President Frei outlined the Plan Nacional de Desarrollo Minero, which aims at increasing production of the small and medium mines to 45,000 tons of fine copper by 1973, thus contributing an additional US\$31 million annually to the balance of payments and providing 4,700 new jobs. The Enami mines would increase their production to 96,700 tons in 1972, from 51,200 in 1968.



Enami has already obtained credit from British, Belgian and West German banks to a total of U.S.\$40.6 million; a total investment of U.S.\$85 million is required.

Ataka and Mitsubishi, the two Japanese firms working the Santa Clare iron-ore deposits, are to build the first iron-ore concentrates plant in Chile, at Chanaral, by 1972. It is calculated that the new plant will enable the annual export of 2.4 million tons of concentrated iron ore through the new port of Flamenco, near Chanaral. The total cost of the port, concentrator and mine development is estimated at U.S.\$40 million.

All mines are in the public domain, and private concerns are allowed to develop them only on a concession basis.

The selected mining production (except copper) in Chile, 1963 - 1968, was as follows:

	MINING									
		1963	1964	1965	1966	1967	1968			
Cod . Gold . It done from Ore Strates Serioleum (ver .	. ('ooo metric to . (kilogramm . (to . ('ooo metric to . (''oo metric to . (''') . (cubic metric to . (kilogramm	nes) 2,360 2,158 ens) 5,481 1,136 res) 2,099,550	1,783 1,962 2,161 6,361 1,173 2,176,010 87,116	1,680 1,650 2,282 7,756 1,158 2,019,160 85,518	1,640 1,636 2,931 7,788 1,062 1,975,970 100,143	1,496 1,808 2,217 6,853 869 1,966,450 98,158	1,611 1,796 1,964 7,428 679 2,177,390 116,306			

Source: The Europa Year Book, 1970.

#### 5. Finance - The Monetary System

a. From 1960, the basic monetary unit in Chile is the escudo which is divided into 100 centesimos. It replaced the peso at the rate of one escudo for 1,000 pesos.

Since 1962 there are two exchange rates, the official or 'bankers' rate and the free or 'brokers' rate. The 'bankers' rate applies, primarily, to transactions relating to exports and imports. The 'brokers' rate applies to transactions relating to tourism, repatriation of capital and foreign remittances of earnings.\*

Finance Minister Zaldivar noted in his budget presentation to Congress for 1970 that fiscal sector expenditures had an increase in real terms of 80 percent since 1964. In 1964 the fiscal sector budget of 7,300 million escudos (measured in 1969 escudos) was financed in the amount of 18 percent with credits. These credits involved an increase in external debt and Central Bank emissions. In 1969, on the other hand, the budget was financed in an amount of less than 6 percent with credits.

\* Exchange rate: Banks' Free Market 9.96 escudos=U.S.\$1 Brokers' Market 11.50 escudos=U.S.\$1

Source: Europa Year Book, 1970



Chile's balance of payments rises and falls in direct proportion to the price of copper, which constitutes the bulk of Chile's exports. The Chilean escudo continues in a weakened position. The Government has been devaluating about twice a month at a rate faster than the rate of inflation in order to give exporters an advantage. Devaluation was about 35 - 40 percent in 1969, and there is no let-up in sight for 1970.

#### b. Banking and Insurance

Banking In Chile, there are various types of banks:

- 1. Commercial banks. There are approximately thirty commercial banks in Chile. They provide about two-thirds of the country's short-term loans.
- 2. Mortgage Credit Banks. These banks supply long-term loans secured by property mortgages. They may be financed by state or private capital.
- 3. Credit Banks and Institutions. Their function is to grant short-term loans.
- 4. The Central Bank of Chile is responsible for issuing notes, rediscounting, controlling transactions in foreign exchange, and making government representations to the I.M.F.
- 5. The State Bank of Chile. It acts as the Government's financial agent and also provides commercial banking services.

Insurance and reinsurance operations in Chile are restricted to Chilean insurance companies. The only exception being those foreign insurance companies which operated in Chile prior to 1931. They have been permitted to continue their insurance activities.

#### c. <u>Investment</u>

The United States is by far the most important investor in Chile. According to U.S. statistics, the U.S. investment at the end of 1967 was about \$880 million. Most of the new foreign investment is in extractive industries.

During 1969 - 1970, there were various foreign investments in Chile. In June, a Government Decree was signed authorizing General Motors Corporation to install a plant in Coquimbo to produce  $2\frac{1}{2}$  and 8 ton trucks, bus chassis and automobile parts. Cumulative investment in the plant will reach \$24 million sometime in 1972.



The IDB has granted a loan of U.S.\$12.4 million to the CORFO to help finance mining and industrial development programs, for which total expenditure will reach about U.S.\$36 million (equivalent). The IDB has also granted a loan of U.S.\$3 million towards the cost of providing running water and drainage in shanty-towns near Valparaiso and Vina del Mar.

At the end of November 1969 various agreements between France and Chile were signed. A financial agreement extends for six months the period of validity of a recent line of credit of F.Fr.160 million granted to promote the purchase of French machinery and equipment, and another, to be finally approved, provides for a credit of F.Fr.275 million towards the Santiago underground railway project.

The Chilean Government closely watches all new investments and expansion of existing operations. The establishment of of a branch or a subsidiary of a foreign corporation requires a presidential decree arranged through the Superintendencia De Sociedades Anonimas.

#### 6. Public Utilities

#### a. Energy

Electric power production and distribution in Chile is good. Industrial development, together with private consumption and public requirements, have resulted in significant expansion of power facilities. Even so, power shortages and consequently rationing, ofter occur in populous areas.

According to United Nations' statistical data, the total installed capacity of electric energy was in 1967 1,569,000 Kw. of which hydro was 720,000 Kw.

#### b. Transportation and Communications

Chile's rail network is over 9,000 Km. long, of which some 7,800 Km. are state owned. The few private lines, principally British owned and still operating, are related to specific industrial establishments. This distinction in purpose has helped the State Railways and the private lines to avoid competition. Electrification of the railways is proceeding.

The selected statistical data of Chilean principal railways are as follows (\*000):



	(/		
	1966	1967	1968
Passengers (number) Passenger/km. Freight (tons)	23,228 2,096,569 23,024	22,940 2,042,654 20,081	21,399 2,085,097 21,413
	1		

Source: The Europa Year Book, 1970.

In 1968 there were in Chile 54,400 Km. of highways of which 7,080 Km were first-class, paved, 31,860 Km. second-class and 15,460 Km. earth. The condition of Chile's highways varies widely from province to province. The paved Pan American highway runs from Arica, in the North, to Puerto Montt in the South.

ROADS

	Түрг	:		1966	1967	1965
Cars Buses Lorries Motor C	ycles	0 0	•	108,154 10,365 96,905 30,334	115,526 11,284 106,023 29,227	130,2 12,6(1) 111, 28,0

Source: The Europa Year Book, 1970.

There are 1,350 miles of navigable rivers. The ocean transport shipping system is subject to governmental regulations which restrict coastal traffic to Chilean-flag vessels, and reserves to Chilean carriers 50 percent of international traffic. The chief ports are Valparaiso, Talcahuano, Antofagasta, San Antonio and Punta Arenas.

SHIPPING
('ooo metric tons)

		1966	1967	1968
Total Tonnage	•	31,196	30,852	30,257
Loaded		25,408	25,298	23,728
Unloaded .		5,787	5,554	6,529

Source: The Europa Year Book, 1970.

Air transport is provided by the state airline Linea Aerea Nacional, the LADECO, together with fifteen foreign airlines. There is a new international airport in service at Pudahuel outside Santiago. Another international airport is to be built at Balmaceda and plans are in the making to build two other new airports and improve six existing ones.

Telegraph service is provided by a Government agency. The telephone service is provided by a single privately-owned company. There are over 100 privately owned radio broadcasting stations and three television stations. There are 17 short wave and 118 medium wave stations, most of which are associated with A.R.C.H.I.



#### 7. Tourism

The potential for tourism in Chile is very promising. The long Andes range of mountains is the chief attraction for tourists. There are good beaches and many lakes, the largest of which is Llanquihue. With the promotion of its tourist industry, Chile would benefit in earning foreign exchange which is so necessary to its economic development. In 1969, Chile had 300,000 tourists, the average length of stay being  $3\frac{1}{2}$  days. The greatest number of tourists came from Argentina.



#### FOREIGN TRADE

#### 1. Structure of Foreign Trade

Foreign Trade makes up about 35 percent of the Chilean G.N.P. Four-fifths of Chilean imports consist of manufactured goods as compared with only 10 percent of its exports.

Chile's Foreign Trade, 1963-1968, in millions of U.S. dollars, was as follows:

(million U.S. dollars)

		,		/		
• YEAR	1963	1964	1965	1966	1967	1968
Imports Exports	637.5 541.9	607.2 625.7	604.2 687.9	756.9 880.7	726.6 913.1	742·7 940.8

Source: The Europa Year Book, 1970.

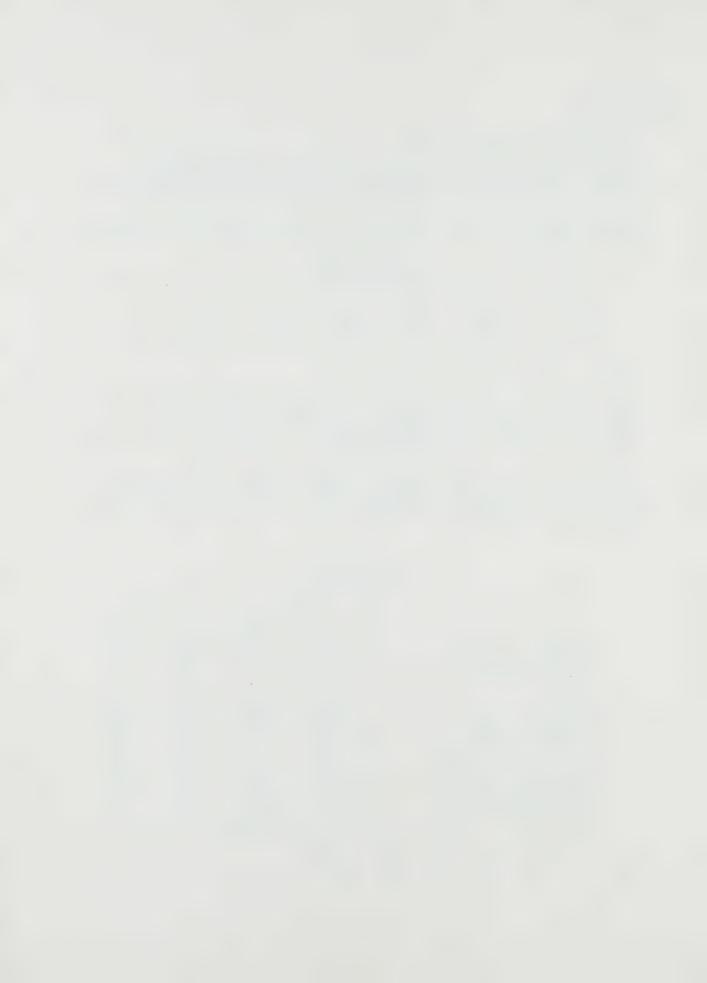
Copper exports constitute approximately 80 percent of Chile's merchandise export earnings. The recently high price for copper has produced increased export earnings, and significantly improved Chile's international reserve position.

There is good indication that Chile's foreign trade in 1969 will exceed the record levels of \$743 million of imports (excluding unregistered imports) and \$941 million of exports registered in 1968.

COMMODITIES ('000 U.S. dollars)

Commodities			Імр	ORTS	Exports	
COMMODITIES			1967	1968	1967	1968
Livestock and Animal Products .			45,634	39,479	7,629	7,646
Vegetable Products			48,715	62,726	19,229	20,957
Animal and Vegetable Fats			11,417	15,770	1,441	2,171
Manufactured Foodstuffs, Beverages	and	To-	• •			
bacco			18,597	12,218	16,427	21,016
Mineral Products			70,593	53,596	90,677	94,364
Chemicals			65,298	74,825	27,306	24,096
Synthetic Plastics, Rubber			27,930	22,698	10,101	57
Skins and Leather Goods			5,457	3,713	1,218	1,174
Wood, Cork and Basket Products.			1,288	1,463	2,945	4,082
Paper and Paper-making Materials			12,607	14,926	13,732	25,704
l'extiles			46,275	40,837	5,271	6,010
Plaster, Cement, Ceramics and Glass		.	7,359	7,197	13	159
Metals and Metal Goods			46,477	42,045	712,795	725,770
Fechnical and Electrical Equipment		. 1	196,225	204,309	1,297	2,091
Fransport Equipment			97,408	119,919	1,136	4,096
Optical and Precision Instruments			2,694	5,216	10	5

Source: The Europa Year Book, 1970.



The most important Chilean Foreign Trade partner is the U.S.. In 1968, Chile imported from the U.S. \$286 million, or 38.5 percent of its total imports.

Chile's exports to the U.S. in 1968 were \$210 million, or 22.3 percent of total exports.

In 1970 it is expected that there may be a moderate decline in the overall level of imports from the United States, due to the decelerated pace of expansion in the projects of the large copper mines. However, imports in agricultural products are expected to remain at the 1969 levels.

On 7 January 1970 the Chilean Ministers of Finance and Economy announced that decrees were being prepared which would remove from the list of prohibited imports all items except whisky, caviar, cigars and cigarettes, electronic goods including radio and television receivers, and, temporarily, motor vehicles and parts.

The Government has estimated that this liberalization, which is intended to prepare Chilean industry and farming for the competition they will encounter when the Andean Group integration scheme begins to operate, will add about U.S.\$35 million a year to the value of total imports. There will also be a gradual reduction of import duties over the next five years.

Chile's Foreign Trade by principal countries, 1966 - 1968, was as follows:

PRINCIPAL COUNTRIES ('000 U.S. dollars)

						Imports			Exports	
					1966	1967	1968	1966	1967	1968
Argentina.					64,446	77,146	80,005	27,792	39,798	48,001
%lgium −					9,783	9,129	6,465	26,703	42,544	13,831
Taril					26,832	22,778	19,334	9,062	16,227	19,926
quador					5,602	7,313	9,505	1,322	1,571	1,740
rance					19,605	17,946	19,199	38,898	49,837	40,337
eriman Fe	deral	Rep	ublic		98,888	91,020	84,025	94,009	71,015	75,698
ndia .					1,726	760	1,106	1,835	129	
faly .	4	ø			10,038	13,124	16,489	45,977	74,488	60,975
apan.					17,178	8,883	13,238	91,180	108,048	124,889
de Kien					11,693	14,091	n.a.	5,820	9,528	n.a.
therland	S.	4			11,800	12,974	12,475	116,132	124,472	108,587
'era ,		0			17,613	7,331	6,581	4,464	6,738	4,356
Situgal					276	620	285	117	10	120
Tain .		4			11,123	9,323	12,325	12,792	16,916	18,984
den	٠	0			10,458	10,423	10,650	24,830	38,671	39,809
notrerland	١.				11,567	11,174	11,014	173	128	88
- ted Kin	gdon	1.			41,387	48,671	42,410	132,228	123,925	141,844
· A.	0				297,889	257,908	285,395	219,697	168,440	210,947

Source: The Europa Year Book, 1970



Exports from the United States to Chile in 1969 reached a new high of \$314 million. The record values of U.S. exports to Chile reflect a growth in the total Chilean import market, rather than an enhancement of the competitive position of United States exporters.

#### 2. Analysis of Chile's Imports

Chile is importing substantial quantities of capital goods. The results of severe drought in the past are reflected in increased imports of foodstuffs, coal for electric power generation and equipment for water well drilling, irrigation and grain storage facilities. It is estimated that imports of foodstuffs reached about \$200 million in 1969, \$70 million higher than 1968.

The government investment program is in some degree an indicator for exports possibilities to Chile. It includes investments to improve telecommunications, rail transport, water and sewage facilities, agricultural production and educational and medical facilities. These include various agricultural machinery and dairy equipment, breeding cattle, fertilizers, insecticides and pesticides for agriculture, road building machinery and vehicles, telecommunications and broadcasting equipment and railroad rolling stock for transport and communications. The greatest part of hospital and scientific equipment which Chile needs must be imported. Some chemicals and pharmaceuticals are also required.

## 3. Analysis of Chile's Exports

More than 70 percent of Chile's total export value is comprised of copper. Fish and fish products are also important sources of export revenue. Chile is making a determined effort to improve its exports.

Export incentives are mainly undertaken by the Gerencia de Fomento de Exportaciones of the Banco Central. The incentives consist mainly of tax allowances on the production of goods for export, up to 30 percent of the FOB value.

As long ago as 1966, the state-owned Banco del Estado held talks with the Instituto de Seguros del Estado with a view to setting up a national scheme for export credits, but it appears that no definite steps have been taken toward establishing such a body.



# CANADIAN TRADE WITH CHILE

#### 1. General

Canadian trade with Chile, 1966 to May 1970, was as follows:

Year	Imports (Millions of	Exports Dollars)	Balance
1966	1.9	12.3	+ 10.4
1967	1.8	17.7	+ 15.9
1968	2.1	20.7	+ 18.6
1969	3.3	22.8	+ 19.5
Jan. to May 1969	2.0	5.3	+ 3.3
Jan. to May 1970	2.0	12.5	+ 10.5

# Ten Major Canadian Exports to Chile

Commodity	1967	1968 (\$000)	1969
583 Trucks and Truck chassis 581 Passenger automobile	5,213	6,221	6,721
and chassis 271 Asbestos unmanufacture 451 Aluminium, including	1,138 d1,369	4,734 1,084	3,522 1,771
alloys 091 Potatoes, seed 521 Drilling, mining, oil	1,718	1,493	1,760 1,019
and gas machinery 524 Woodworking machinery 424 Plastics and syn rubber	886 213	343 258	785 492
not shaped 529 Other special industry	671	252	488
machinery 600 Aircraft	920 1,186	769 228	472 380

The Chilean market is gradually expanding and may offer continuing prospects during the next few years, especially for capital goods and equipment. For its planned development Chile needs construction equipment, electical power generating equipment as well as transmission and transportation equipment. Chile is importing a wide range of agricultural products. They consist mostly of wheat, meat, dairy products, sugar, rice, edible oils, feed grains, cotton and tobacco. There are possibilities for imports of breeding cattle.



Prohibitions will no longer apply to imports of textiles, household appliances, bicycles, motorcycles, chemical products, plastics, cameras, furniture, and many other consumer goods. However, prohibitions will continue for luxury items and goods for the automotive and electronic industries.

Obstacles to greater Canadian trade with Chile include inflation, financing and credit limitations and stiff foreign competition from the United States, European and Japanese companies.

A large portion of Chilean public and private purchases of capital equipment is being purchased under long-term credits of eight or more years.

# 2. Ontario Exports

Ontario exports to Chile have shown an appreciable increase during the past four years, having risen from \$7.2 million in 1966 to \$14.1 million in 1969. Of the latter total, road motor vehicles made up \$10.7 million or 78.0 percent.



#### CHILE'S ECONOMIC AND TRADE POLICY

#### 1. Planning

The present Plan is for the 1967 - 1971 period and aims at an annual growth rate of 5.5 percent in the G.D.P. over the period. The various sectors of the Chilean economy would expand at the following annual rates: agriculture 4.2 percent; mining 7.5 percent; industry 7 percent; other private sectors 4.3 percent; and public services 5.6 percent. The Plan provides for an annual growth in gross domestic investment of 9 percent. The public investment program in the plan is giving high priority to the agriculture sector which received 13.5 percent of total public investment in 1967, and will continue to improve its position until it reaches 22.3 percent of the total in 1971.

The Plan provides for an investment of nearly 25 percent of the total in housing and urbanization, 17 percent in transportation and communications and about 14 percent in power and fuels. Other sectors, such as industry, education, health, administration and defence are receiving smaller percentages.

In Chile, as in the majority of Latin American countries, the saving ratio is smaller than the investment ratio, so the difference is made up by foreign private investment.

## 2. Foreign Trade Regulations - Tariffs and Taxes

Chile has adopted the Brussels Nomenclature. Chile's previously complex tariff structure consisting of numerous taxes and other charges, has been consolidated, mainly into ad valorem rates.

Chile is a member of GATT. Imports from Canada receive most-favoured-nation treatment. As a member of the Latin American Free Trade Association, Chile accords preferential treatment to certain imports from the other member countries. Imports are subject to specific and ad valorem duties. The ad valorem duty is assessed on the c.i.f. value. Tariff classification is based on the Brussels tariff nomenclature.

## 3. Marketing

Chilean trade policy is generally shaped by the country's balance of payments position. An improved payments position has recently enabled Chile to move from a highly restrictive to a moderately liberal policy. With a few notable exceptions the Government now permits the



importation of most items that were previously prohibited. These are generally items that will be allowed to compete with locally produced goods, in order to encourage increased efficiency and diversification of Chilean industries. Current trade policy give priority to more essential imports, which are subject to relatively low duties, and imposes high duties on items that compete with local industry. A few categories are subject to other import restrictions in the form of prohibited imports and prior deposits.

#### 4. & 5. Promoting the Product, Agency Agreements

Chile acceded to the General Agreement on Tariffs and Trade (GATT) in 1949, participating in some multilateral duty concessions and extending and receiving most-favoured-nation treatment. In 1960, Chile became a member of the Latin American Free Trade Association (LAFTA), which includes Mexico and all South American countries. Duty Concessions have been extended to many products shipped by other LAFTA countries, and Chile has participated in industry complementation agreements.

Chile acceded to the Andean Agreement for Subregional Integration in 1969. The agreement calls for an end to nontariff barriers to intraregional trade by the end of 1975. Tariff barriers to intraregional trade will cease by the end of 1980 by annual ten percent duty reductions. The first stage of reductions will occur on January 1, 1971.

Chile is trying to create a favourable climate for foreign investors. However, there is now a general investment policy and each investor must negotiate on an individual basis with the Chilean government as to tax advantages, profit repatriation, etc. 'Chileanization' of the copper mining has been successfully completed, with Chilean government ownership of equity in some mines. The 'Three big' copper mining industries have announced some \$520 million in production facilities expansion programs up to 1971.

## 6. <u>Licensing</u>

#### Patent and Trademark Protection

Licensing arrangements have been welcomed by the Government as a relatively painless means of injecting new technology into Chilean industry. Most firms in the metal processing, chemical, electronic, and auto parts industries manufacture in part under foreign licenses. In a number of cases, indigenous firms have paid off royalties and technical assistance fees in the form of equity shares.



#### Legal and Administrative Limitations on Licensing

Formerly licensing agreements were registered with the Banco Central to facilitate repatriation of royalties. In 1967, the Banco Central slowed up authorization on royalty remittance and established a Royalty Review Commission with tighter control over licensing and technical assistance agreements.



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TABLE I

# CANADIAN DOMESTIC EXPORTS TO CHILE BY COMMODITIES 1968-1969

	COUNTRY AND COMMODITY		JANUARY TO DE	CEMBER 1968	JANUARY TO DE	CEMBER 1969	
CLASS			QUANTITY	VALUE IN DOLLARS	QUANTITY	VALUE	CLASS
	CHILE			an poccano		IN DOLLARS	
630	BABY CHICKS	NO	6,650	19,830	8,850	26,892	630
4441		CWT N	14	1,140	.,.,	201015	4441
4443		CWT N	25	1,891			4443
4445 5149		CWT N	10 396	720	407	10 074	4445
5150		CWT	370	15,684	462	19,874	5149 5150
5152		CWT	882	15,807	22,179	135,601	5152
6119		BU	1,912	3,052			6119
6245 9180		C WT	18	171	18	153	6245
9711		LB	85,800	9,029	43,312,390	1,018,799	9180 <b>9711</b>
9799	VEG. DRIED PRESERVED NOT CANNED NES			.,,,,,	225,570	47,975	9799
9925		LB N	2,917	1,089			9925
14410 17340		LB P GAL	241	2 404	842	5,365	14410
20238		NO	361 6	3,604 128	133	1,822	17340 20238
20289	FUR SKINS, UNDRESSED N E S		· ·	600			20289
24699		LB	4,364	1,658			24699
25229 27120		CWT	881	15,200	3,638	25,269	25229
27120		TON	5,711	957,726	8,024	1,529,635	27120 27130
27140		TON	1,488	126,720	2,581	240,585	27140
27977		TON			16,035	320,089	27977
27999						593	27999
32015 32019		ŁB ŁB	2,144	2,872	2,010	2.044	32015
32099		LB	12,558	17,694	22,534	2,066 32,952	
33133	LUMBER, WESTERN RED CEDAR	MBF	18	2,013		254,75	
33143	LUMBER, HEMLOCK	MBF	65	8,123			33133 33143
35109	NEWSPRINT PAPER	CWT	17,032	90,519	27,354	184,998	35109
35199 35249	BOOK PAPER N E S WRITING AND REPRODUCTION PAPER	CWT	2,290	31,702			35199
35299	FINE PAPER N E S	CWT	201	3,370	845	11,921	35249
36999		LB			1.540	2,513	35299 36999
37679	BROAD WOVEN FABRICS, MIXED FIBRES	LB			291	1,015	37679
38176 39899	PAPERMAKERS FELTS, TEXTILE GUM, WOCD & VEGETABLE EXTRACTS NES	L8	54,934	292,264	60,874	335,053	38176
40037	SELENIUM	LB ChT	4	2,152	500	105	39899
40099		ChT	265	11,390	220	2,132 8,015	40037
40299	INORG. BASES & METALLIC OXIDES NES	CWT		,	968	23,053	40299
40499 40535	METALLIC SALTS OF INORG. ACIDS NES RADIOACTIVE ELEMENTS AND ISOTOPES	CWT	400	7,900			40499
40839		CWT		2,448	155	14,412	40535
41419	HYDROCARBONS AND THEIR DERIVATIVES	ChT			155	3,596	40839
41429	ALCOHOLS AND THEIR DERIVATIVES	CHT	1,324	30,279	**	020	41429
41449	ORGANIC ACIDS, ANHYCRIDES AND DERIV NITROGEN-FUNCTION COMPOUNDS N E S	CWT	14,887	228,634	9,900	133,384	41449
41479		CWT	270	5,918	112		41459
41699	FERTILIZERS AND FERTILIZER MAT. NES	0			692	15,780 5,955	41479
42199	ADHESIVES N E S	LB	,		76	106	42199
42416		CWT	213	2,443			62416
42509	PLASTIC & SYN RUBBER NOT SHAPED NES PLASTIC FILM AND SHEET	ChT		249,554		487,617	42499
	PLASTICS BASIC SHAPES AND FORMS NES	CWT	129	16,384	65	2,542	42509
42835	READY-MIXED PAINTS, INCL WHITE LEAD	GAL	156	1,134	6	1,298	42599 42835
42899	STAINS, LACQUERS & RELATED PROD NES			662			42899
42909 42929	INSECTICIDES AND RODENTICIDES DYESTUFFS, PIGMENTS, LAKES & TONERS	ChT			1		42909
	INDUS. CHEM SPECIALTIES & EXPLOSIVE	CWT		17,377	423	9,495	42929
44229	SPONGE IRON AND PRIMARY IRON N E S	TON	10	1,794	90		42999
44329	IRON CASTINGS N E S	CWT			922	15,924 29,059	44329
	STEEL CASTINGS N E S BARS, STEEL, HOT ROLLED	ChT	698	25,891	2,936	129,322	44359
44480	BARS, STEEL, COLD ROLLED	CHT	1,529	30,546	1,876	37,289	
44499	BARS AND RODS, STEEL, FABRICATED	CWT			24	1,206	
44520	PLATE, STEEL	CWT			261	262 13,336	44499
44540	SHEET & STRIP CARB STEEL COLD ROLLD	CWT			3	109	44540
ママンブブ	SHEET AND STRIP. STEEL N E S	CWT	1,698	76,341	2.018	88,770	



COUNTRY AND COMMODITY			JANUARY TO DECEMBER 1968		JANUARY TO DECEMBER 1969		
CLASS			VTITHAUD	VALUE IN DOLLARS	QUANTITY	VALUE IN DOLLARS	CLASS
	CHILE-CON					*** ***********************************	
44706	STRUCTURAL SHAPES AND SHEET PILING	CWT	166	3,176			44706
44739	RAILWAY RAILS	CWT	127,860	896,189			44739
44899	PIPES AND TUBES, IRON AND STEEL NES	CWT	670	6,515			44899
45109	ALUMINUM PIGS INGOTS SHOT SLABS ETC	CWT	58,676	1,489,801	65,075	1,754,470	45109
45129 45149	ALUMINUM BAR ROD PLATE SHEET CIRCLE ALUMINUM FABRICATED MATERIALS N E S	CWT	2 81	590 2,282	80	5,572	45129
45208	CCPPER BARS, RODS AND SHAPES N & S	CWT	I	111			45149 45208
45212	COPPER PLATES SHEET & FLAT PRODUCTS	CWT	7	604			45212
45218	COPPER WIRE & CABLE, EXC. INSULATED	CWT	47	2,750	8	632	45218
45415	NICKEL ANODES CATHODES INGOTS RODS	CWT	1,473	157,990	982	133,246	45415
45499 45708	NICKEL & ALLOY FABRICATED MAT. NES ZINC BLOCKS, PIGS AND SLABS	CWT	15,369	153,684	22	2,333	45499
45749	ZINC FABRICATED MATERIALS N E S	CWT	115	889	21,995	219,948	45708 457 <b>4</b> 9
45935	COBALT	LB			220	473	45935
45979	NCN-FERROUS METALS N E S	LB	200	1,392	73	914	45979
46344	FOURDRINIER WIRE CLOTH	CHT	101	21,528	64	19,096	46344
46352 46399	WIRE CLOTH & WOV WIRE SCREENING NES WIRE FENCING, MESH AND NETTING NES	CWT	86	18,906	16	1,103	46352 46399
46529		CWT	180	5,483	4	431 2,105	46529
46599	BASIC HARDWARE N E S					648	46599
46819	VALVES: IRCH OR STEEL			7,816		2,147	46819
46849	VALVES N E S			8,904		571	46849
46965 46975	STRUCT. & ARCHITECTURAL METAL PROD.	CWT	222	3,167 18,095	451	47.124	46965
46980	INSULATED WIRE AND CABLE WELDING WIRE RODS ELECTRODES SOLDER		200	4,600	451	47,124	46975 46980
46999				6,166		1,043	46999
47262	FIRE BRICK AND SIMILAR SHAPES			502,911		317,318	47262
47299	REFRACTORIES N E S			3,893		10,113	47299
47399	GLASS BASIC PRODUCTS N E S ASBESTOS, ASBESTOS-CEMENT BLDG MAT.			403,079			47399
47469 47499	ASBESTOS BASIC PRODUCTS N E \$			2,745		203	47469 47499
47599	CEMENT AND CONCRETE BASIC PROD. NES			560		1,960	47599
47649	ABRASIVE PAPER AND CLOTH			2,357		-,	47649
47929	CARBONS AND CARBON ELECTRODES			137			47929
49510				18,789		4,391	49510
49660 49699	HOSE AND HOSE COUPLINGS FABRICATED MATERIALS N E S			107 933		8,715	49660 49699
50299	ENGINES, TURBINES AND PARTS N E S			731		214 9,464	50299
50319	GENERATORS AND PARTS	NO		59,779	1	309,492	50319
50369	ELECTRIC MOTORS	NO			14	5,711	50369
50439	BEARINGS AND PARTS			14,148		10,389	50439
50499 50739	POWER TRANSMISSON EQUIP & PTS N E S AIR AND GAS COMPRESSORS AND PARTS			7,725 366		951	50499
50799	VACUUM PUMPS, FANS, BLOWERS & PARTS			3,544		3,031 2,530	50739 50799
				-,		24220	,,,,
50901	POWER BOILERS, EQUIPMENT AND PARTS			29,005		184,870	50901
50959	INDUS. FURNACES, KILNS, OVENS & PTS			1,786			50959
50969 50980	FCUNDRY EQUIPMENT AND PARTS N E S					2,595	50969
50999	PUMPS, PUMPING SYSTEMS AND PARTS GEN. PURPOSE INDUS. MACHY & PTS NES			61,295		131,612	50980
51019	CONVEYORS CONVEYING SYSTEMS & PARTS	NO		51 +054	1	2,805 236,523	50999 51019
51039	HOISTING MACHINERY AND PARTS N E S	NO	6	77,427	10	\$3,804	51039
51099	MATERIALS HANDLING EQUIP. & PTS NES			18,588			51099
52119 52139	ROCK DRILLING & RELATED MACHY & PTS EXCAVATING, DREDGING EQUIP. & PARTS			263,672		295,478	52119
52199	MINING-QUARRYING MACHY & PARTS NES			70 717		39,792	52139
52303	METAL BORING DRILLING MACHY & PARTS	NO		79,717	1	450,060 26,971	52199 52303
52308	LATHES, METALWORKING, AND PARTS	NO	2	813	1	17,403	52308
52315	PRESSES, METALWORKING AND PARTS	NO	1	4,517	ī	970	52315
52329	MACHINE TOOLS METALWORK. & PTS NES			527		18,650	52329
52349 52396	WELDING APPARATUS, EQUIPMENT & PTS CUTTING TOOLS FOR METALWORK. MACHY.						52349
52399	METALWORKING MACHY, EQUIP & PTS NES			575		300	52396
52414	CHAIN SAWS	NO	557	76,612	689	20,924 95,315	52399 52414
52415			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20,340	007	36,640	52415
52425	SAWS, SAWFILL MACHY EQUIP & PTS NES			160,644		359,651	52425
52499						560	52499
52909 52924				6,234		38,136	52909
	CONSTRUCTION MAINTENANCE MACHY & PT			57,568 389,989		54,942 164,317	52924 52929
52959	PULP & PAPER INDUS. MACHY AND PARTS			222,020		82,180	52929
52969				,		1,495	52969
52979				82,292		83,593	52979
52988	FOOD & BEVERAGE MACHINERY & PTS NES TOBACCO MANUFACTURING MACHY & PARTS			0.50		3,922	52986
52999	SPECIAL INDUSTRY MACHY & PARTS NES			250		43,569	52988
54129	DISC HARROWS AND PARTS	NO	21	10,850 13,748			52999 54129
54151	GRAIN DRILLS AND COMBINATION DRILLS	NO	47	50,182	85	88,777	54151
	MANURE SPREADERS AND PARTS	NO			20	19,558	54166
54309 54340	MOWERS	NO	1	514			54309
54373		NO		456			54340
	TOBACCO HARVESTING MACHINERY & PTS	NO		225 2,849	30	40.004	54373
54999				1,535	30	40,994 3,331	54380 54999
						21231	2.,,,

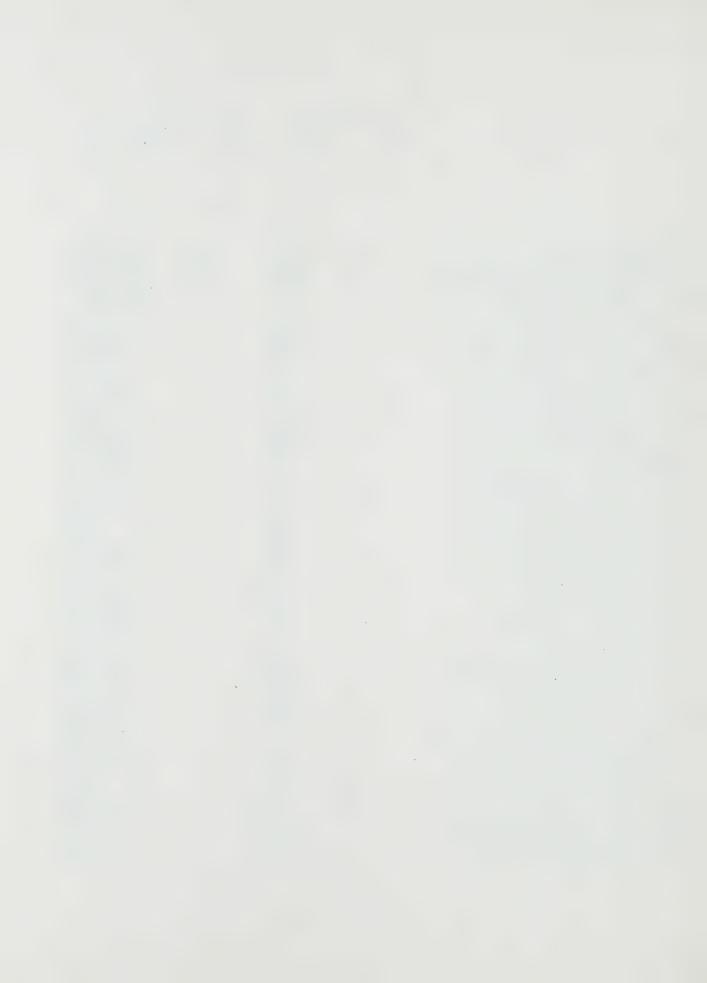


COUNTRY AND COMMODITY

JANUARY TO DECEMBER 1968

JANUARY TO DECEMBER 1969

COUNTRY AND COMMODITY				2,00	SANOART TO DECEMBER 1969		
CLASS	CHILE+CON		QUANTITY	VALJE IN DOLLARS	QUANTITY	VALUE IN DOLLARS	CLASS
57029	LOCOMOTIVES & TENDERS, ENGINES & PT	NO		16,678			57029
58019 58126	PASSENGER AUTOMOBILES AND CHASSIS SEDANS, NEW N E S	NC	3,513	4,538,068			58019
50331	TRUCKS & CHASSIS, NOT OVER 6000 LBS	NO NO	773	881,352	2,160 192	3,522,419	58126 58331
58339 58949	TRUCKS AND CHASSIS, COMMERCIAL NES TRAILERS & CCMMERCIAL SEMI-TRAILERS	NO	2,113	5,339,717	2,424	6,496,535	58339
58985	MOTOR VEHICLE ENGINES AND PARTS	NO NO	. 2	6,628 14,734	1	43,925	58949 58985
58995 58999	OTHER MOTOR VEHICLES N E S PARTS & ACCESS. FOR MOTOR VEH. NES	NO			1	50,226	58995
59029	MARINE ENGINES AND PARTS	NO		174,815	9	350,901 3,677	58999 59029
59039 60039	PTS & ACCESS. FOR SHIPS & BOATS NES			221	ŕ		59039
60099	AIRCRAFT ENGINES AND PARTS AIRCRAFT ASSEMBLIES EQUIP & PTS NES	NO		129,479 98,853		301,451 78,582	60039 60099
62105 62109	PASSENGER CAR TIRES, PNEUMATIC, NEW	NO	10	115	44	438	62105
62525	TRUCK AND BUS TIRES, PNEUMATIC, NEW PASSENGER CAR TIRE TUBES	NO NO	231	131,112	24	520	62109
62529	TIRE TUBES N E S	NO	36	126	216	293	62525 62529
63419	TELEPHONE APPARATUS EQUIP AND PARTS TELEGRAPH APPARATUS EQUIP AND PARTS			102,262		35,599	63419
63490	RADIO TRANSMITTING-RECEIVING UNITS					2,820 26,311	63429 63490
63499 63799	COMMERCIAL COMMUNICATION EQUIP NES RADIOS, PHONO & RECEIVING ANTENNAE		,	129,202		100	63499
63982	ELECTRONIC TUBES AND PARTS			1,230 332,970		199 218,035	63799 63982
63998 65039	COMPONENTS FOR COMMUNIC. EQUIP. NES HEATING STOVES, SPACE WATER HEATERS			49,484		7,400	63998
65049	HEATING & FUEL BURN EQUIP & PTS NES			24,142 7,808		8,414 10,408	65039 65049
65547 65570	REFRIGERATORS & FREEZERS HHOLD SIZE COMMERCIAL REFRIGERATION EQUIPMENT	NO		11 244	2	410 34,929	65547
65599	AIR CONDITH & REFRIG EQUIP & PT NES			11,266		376	65570 65599
66015 66019	COOKING STOVES RANGES OVERS ELEC PT ELECTRIC APPL FOR COOKING & PTS NES					287	66015
66099	NCN-ELECTRIC EQUIP FOR COCKING & PT			7,570		170 8,673	66019 66099
68019 68028	ELECTRIC LIGHTING FIXTURES & PARTS ELECTRIC LAMPS, BULBS & TUBES & PTS			2,883			68019
68039	TRANSFORMERS AND PARTS			5:304 485			68028 68039
68045 68049	CIRCUIT-BREAKERS AND PARTS SWITCHGEAR & PROTECT EQUIP & PT NES			1,191		120	68045
68059	INDUSTRIAL CONTROL EQUIPMENT & PTS			18,056 5,861		66,508 1,055	68049
68069 68079	WIRING CEVICES AND PARTS CONVERTER EQUIPMENT AND PARTS			180		100 204	68069
68095	SPARK PLUGS AND PARTS			12,036		190,204	68079 68095
68099 69799	ELECTRICAL EQUIP APPL AND PARTS NES			376		4,648	68099
69809	WASHING MACH ELECTRIC DOMESTIC SIZE	NO	50	12,500	50	4,133 5,130	69 <b>7</b> 99 69809
70009 70019	X-RAY AND RELATED EQUIPMENT & PARTS NAVIGATION INSTRUMENTS APPAR. & PTS					82,459	70009
70029						194	70019
70069	ELECTRICITY-MEASURING INSTR & PARTS MEDICAL & REL. INSTR EQUIP & PT NES			15,661 1,264		25,200	70029
70079	LAB. OPTICAL INSTR. EQUIP & PTS NES			17,211		11,645	70069 70079
70099 74009	MEASURING & TESTING EQUIP & PTS NES BED SPRINGS AND MATTRESSES			81,693		19,167	70099
75059	HAND TOOLS N E S, INCLUDING SETS			560 11,772		21,939	74009 75059
75085 77121	RAZORS AND RAZOR BLADES CARD PUNCH SORT TAB COMPUTERS & PTS			17,254		44,191	75085
77148	TYPEWRITERS, ELECTRIC	NO		92,653	6	9,518	77121 77148
77159 <b>77</b> 160	TYPEWRITERS N E S PARTS ATTACH ACCESS FOR TYPEWRITERS	NO			1		77159
77199	OFFICE MACHINES AND PARTS N E S			102		310	77160
77919	SAFETY & SANITATION EQUIPMENT & PTS SERVICE INCUSTRY EQUIP & PARTS NES			3,981		11,659	<b>77199</b> 77919
78317	OUTDOOR JACKETS	NO	60	267		1,554	77929 78317
78335	PANTS AND ERECCHES, MENS AND BOYS SHIRTS, EXCEPT KNITTED	NO NO	60	234			78335
78809	FUR GOODS, APPAREL		60	180 429		1,530	78343
78899 82099	MISCELLANEOUS APPAREL N E S SPECIAL TIME RECORDERS AND PARTS					214	78809 78899
83099	SPERTING RECREATION EQUIP & PTS NES			299		350 121	82099
84039	CARPETS MATS, SIMIL. FLOOR COVERING TOILET PAPER, PACKAGED	CWT	3.	2,074		1,071	83099 84039
	HOUSE FURNISHINGS AND SUPPLIES NES	CHI	76	1,023		150	84095
						150	84099



			JANUARY TO DE	CEMBER 1968	JANUARY TO DE	CEMBER 1969	
CLASS	COUNTRY AND COMMODITY		QUANTITY	VALUE IN DOLLARS	QUANTITY	VALUE IN DOLLARS	CLASS
	CHILE-CON					•	
86099	HOUSEHOLD & PERSCNAL EQUIP & PT NES BIOLOGICAL PRODUCTS FOR HUMANS			117,697		1,524 116,423 7,162	86099 87019 87029
87019 87029 87049 87089	ANTIBIOTICS N E S VITAMINS AND PREPARATIONS VETERINARY MEDICINE FEED SUPPLEMENT			2,167 3,687 20,263 61,949		861 60,670	87049 87089 87099
87099 88035 88069 89029	MEDICINAL & PHARMACEUTICAL PROD NES OPHTHALMIC LENSES HEARING AILS ORTHOPAEDIC APPL & PTS NEWSPAPERS, MAGAZINES & PERIODICALS	NO	2,790	300	4,250	2,413 1,343 2,296	88035 88069 89029 89039
89039 89049 89090	MAPS PICTURES GREETING CARDS MUSIC ACVI. MATTER FOR FREE DISTRIBUTION			8,487 615 1,167		110 303 7,700	89049 89090 89099
89099 90099 91099 93015	PRINTED MATTER N E S STATIONERS AND OFFICE SUPPLIES NES PHOTOGRAPHIC EQUIP. & SUPPLIES NES FIREARMS, NON-MILITARY USE & PARTS	NO	65	700 5,619 1,277	2	1,042 9,134 322 175	90099 91099 93015 94949
94949 94955 94966	MODELS AND PATTERNS N E S			176 2,552 3,400		6,995	94955 94966 95029
95029 95049 95075	SHIPPING CONTAINERS, METAL, & PARTS SHIPPING CONTAINERS PAPER & PTS NES SHIPPING CONTAINERS, TEXTILE TEXTILE END PRODUCTS N E S			16,510 44,363		8,714 61,384 786	95049 95075 96059 96099
96059 96099 97020 <b>9707</b> 5	END PRODUCTS OF OTHER MATERIALS NES CCNTRACTORS EQUIPMENT AND TOOLS SHIPMENTS OF LESS THAN \$100.00 EACH			279,977 6,833		330 61,285 7,971	97020 97075
	COUNTRY	TOTAL		20,734,521		22,837,396	

Source: D.B.S. Trade of Canada



## TABLE II

# ONTARIO DOMESTIC EXPORTS TO CHILE BY COMMODITIES

## 1968 - 1969

		VALUE	\$1000
GROUP	COMMODITY	1968	1969
006 051 097 099 144	Poultry Dairy produce Vegetables, dried or preserved, not canned Pickles, sauces & dressings Materials for food preparation	19.8 9.6 9.0 1.1	26.9 53.6
320 352 376	Rubber fabricated materials Fine paper Other broad woven fabrics	2.9	2.1 2.5 1.0
381 404 405	Special construction fabrics Metallic salts of inorganic acids Other inorganic chemicals	64.3 7.9 2.1	101.6
414 421	Other organic chemicals Adhesives	2.4	14.0
424 425 428	Plastics & syn. rubber, not shaped Plastics, basic shapes & forms Paints & related products	170.4	133.7
429 444 445	Industrial chem. specialties & explosive Bars & rods, steel Plate, sheet & strip, steel	2.5 30.5 40.0	.4 38.8 46.5
448 451	Pipes & tubes, iron & steel Aluminum, including alloys	6.5	5.6
452 454 457	Copper & alloys Nickel & alloys Zinc, including alloys	3.5 103.0 .9	46.0
459 463 465 468	Other non-ferrous metals & alloys Wire fencing, screening & netting Bolts, nuts, etc. & basic hardware Valves & pipe	1.4 18.9 2.0	·3 20.6 2.5
469 472 473 476	Other metal fabricated basic products Clay bricks & tiles & refractories Glass basic products Abrasive basic products	16.5 403.1 2.4	35.7 10.6
479 495 496 502 503	Other non-metallic mineral products Non-current-carrying wiring material Other fabricated materials Engines & turbines, general purpose Electric generators & motors	18.8 .9 .5	4.4 1.2 9.5 315.2
504 507 509 510 521	Mech. power transm. equipment & bearings Compressors, blowers & vacuum pumps Other general purpose industrial machinery Conveying, elevating, etc. equipment Drilling, mining, oil & gas machinery	13.0 1.8 48.4 61.7 197.5	7.9 3.2 183.6 317.2 392.6
523 524 529 541 543 549	Metalworking machinery Woodworking machinery Other special industry machinery Soil prep. seeding & fert. machinery Haying, harvesting & related machinery Other agricultural machinery, equipment	5.5 96.6 94.6 63.9 4.0	64.6 130.8 283.9 108.3 41.0



#### ONTARIO DOMESTIC EXPORTS TO CHILE BY COMMODITIES

## 1968 - 1969 Cont'd.

		VAI	UE \$1000
GROUP	COMMODITY	1968	1969
570 570 570 570 5780 5780 5780 621 5790 621 5790 621 6390 6490 6490 6490 6490 6490 6490 6490 64	Railway & street RR rolling stock Road motor vehicles Passenger automobile & chassis Trucks & truck chassis Other vehicles, engine, parts & accessories Ships & boats Aircraft Pneumatic tires, new Tire tubes & other tires Commercial & industrial communication equip. TV & radio sets & phonos, domestic Communication & related equipment components Heating equipment Air conditioning & refrig. equipment Cooking equipment for food Electric lighting & control equipment Other electric equipment & appliances Laundry equipment, domestic Measuring, laboratory, etc., equipment Hand tools & miscellaneous cutlery Office Machines & equipment Miscellaneous equipment Watches & clocks House furnishings Miscellaneous household & personal equipment Medicinal & pharmaceutical products Medical supplies, ophthalmic goods etc. Printed matter Stationers & office supplies & material Photographic goods Firearms, ammunition & ordnance Miscellaneous end products Containers & closures Other end products, classified by material Special transactions - trade	16.4 10,923.6 .2 62.6 131.2 168.8 1.2 375.9 25.3 7.6 29.7 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.6 13.2 14.3 12.1 14.3 12.1 14.3 12.1 15.6 16.9 16.4 16.6 16.9 16.6 16.9 16.6 16.9 16.6 16.9 16.6 16.9 16.6 16.9 16.6 16.9 16.6 16.9 16.	3,522.4 6,721.2 437.3 3.7 78.3 13.5 219.6 10.2 4.1 268.2 1.1 132.0 65.9 10.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5
	T O T A L	13,795.7	14,058.5

Source: Ontario Exports by Countries and Commodities 1968-1969



TABLE III

# CANADIAN IMPORTS FROM CHILE BY COMMODITIES 1968 - 1960

SS	COUNTRY AND COMMODITY		JANUARY TO DECEMBER 1968		JANUARY TO DECEMBER 1969		ASS
9			QUANTITY	VALUE	QUANTITY	VALUE	ਹੋ
				\$		\$	
	CHILE						
4629	LOBSTER, FRESH OR FROZEN	CWT			7	982	4629
4649	SHRIMPS AND PRAWNS, FRESH OR FROZEN	CWT	54	5,941	34	4,822	4449
7103	APPLES AND CRAB-APPLES. FRESH	LB		11	34,200	5,025	7103
7112	CHERRIES FRESH	LB	i i	- 11	4,940	1,092	7112
7118	GRAPES, FRESH	LB	3,281,506	822,422	3,361,336	750,990	7118
7135	MELONS, FRESH N E S	LB	1,002,071	94,725	1,035,955	106,499	7135
7136	NECTARINES, FRESH	LB	109,289	25,350	157,540	30,417	7136
7142	PEACHES, FRESH	LB	47,921	15,240	88,010	23,748	7142
7145	PEARS, FRESH	L B	98,021	16,901	333,421	51,425	7145
7151	PLUMS, FRESH	LB	265,742	56,091	366,349	65,481	7151
7159	FRUITS EXCEPT BERRIES, FRESH N E S	LB	1		1,575	389	7150
7637	OLIVES IN LIQUID PRESER NOT CANNED	-L8	19,151	8,166	40,876	16,499	7637
9168	ONIONS, GREEN, INCLUDING SHALLOTS	LB	24,100	2,570			9168
9170	ONIONS, FRESH N E S	LB	5,131,287	285,520	4,276,149	163,955	9170
9199	VEGETABLES, FRESH OR CHILLED N E \$	LB	7,375	3,587	12,116	3,924	9191
9312	BEANS, DRIED N E S	LB	20,805	2,831			9312
9399	VEGETABLES, DRIED N E S	LB	27,694	7,289	10,567	6,936	9337
14399	PRE-COOKED FROZEN FOOD PREP. N E S	LB			360	525	14399
15660	FISH MEAL	CWT	[ 25,353]	122,838			15660
17239	GRAPE WINES, STILL, TABLE STRENGTH	GAL	2,710	9,682	4,550	17,341	17239
20220	FUR SKINS, FOX	NO	700	5,886	1,530	10,709	20220
25120	IRON ORE	TON			44,988	341,412	25120
35760	HARD BOARD	CWT			3,003	10,615	3576C
39405	BEESWAX	LB	10,750	10,043	26,802	23,927	39405
40008	IODINE	CWT	48	5,532	180	23,951	40008
40391	NITRITES AND NITRATES N E S	CWT	1		205,517	582,852	40391
41633	SODIUM NITRATE	CWT	236,167	597,648	157,309	395,101	41633
45275	COPPER ALLOY REFINERY SHAPES, BARS	CWT	74	5,483	234	18,572	45275
52941	PLASTICS INJECTH MOULDING MACHY, PT	NO				578	52941
74012	FURNITURE, WOODEN, HHOLD, NOT UPHOL			4,903			74012
97010	IMPORT PACKING, RE-USABLE NOT DESCR			9,614		4,661	97010
97030	GOODS RETURNED WITHIN FIVE YEARS			13,475		600,004	97030
97075	SHIPMENTS OF LESS THAN \$200.00 EACH			6,638		10,946	97075
			-	2,138,375		3,273,378	

Source: D.B.S. Trade of Canada



#### TABLE IV

Imports of Chile by Countries

Value in Thousands of U.S. Dollars

Countries		1967
Argentina		77,088
Australia		
Austria		6,650
	romb ourse	1,514
Belgium - Luz Bolivia	kembourg	9,011
Brazil		1,355
		22,748
Bulgaria Canada		391
		10,166
Ceylon		492
China Tairr		200
China - Taiwa	an '	137
Colombia		1,967
Czechoslovak	La	1,212
Denmark		4,208
Ecuador		7,314 1,628
Finland		1,628
France		17,947
Germany, East		473
	eral Republic of	90 <b>,</b> 997 575
Guatemala		575
Hong Kong		684
Hungary		104
India		760
Indonesia		217
Italy		13,125
Japan		8,883
Malaysia	•	1,853
Mexico		23,477
Netherlands		12,975
Netherlands .	- Antilles	6,136
New Zealand		331
Norway		1,003
Pakistan		1,696
Panama		3,115
Paraguay	•	1,267
Peru		7,331
Poland		1,348
Portugal		620
Singapore		105
South Africa		1,003 9,323
Spain		9,323
Sweden		10,423
Switzerland		11,175
United Kingdo		48,668
United States	3	256,745
Uruaguay		2,151
U.S.S.R		353
Venezuela		40,943
Total Imports		722,499

Source: United Nations Commodity Trade Statistics



